



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*Handwritten signature and date 12-26-01*

In re application of

Yoshihito ASAO, et al.

Appln. No. 09/769,408

Group Art Unit: 2834

Confirmation No.: 4699

Examiner: To be assigned

Filed: January 26, 2001

For: AUTOMOTIVE ALTERNATOR

STATEMENT UNDER 37 C.F.R. § 1.97(e)

Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned hereby states:

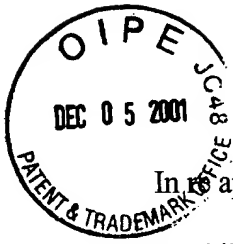
That each item of information contained in the Information Disclosure Statement filed concurrently herewith was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of said Information Disclosure Statement.

Respectfully submitted,

Richard C. Turner  
Registration No. 29,710

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Date: December 5, 2001



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**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 and 1.98**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

However, since a statement can be made, a Statement is being filed so that in the event an Office action has issued but has not yet been received by the undersigned, the Examiner will proceed to consider this Information Disclosure Statement.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents Applicants submit the attached translation of an Office Action received in a related Japanese application. Complete copies of the underlying references are attached for the Examiner's convenience.

INFORMATION DISCLOSURE STATEMENT  
U.S. Appln. No. 09/769,408

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Richard C. Turner', written over a horizontal line.

Richard C. Turner  
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Date: December 5, 2001

Reference Number 521855JP01

Dispatch Number 275684

Dispatch Date

September 18, 2001



Notification of Reason(s) for Refusal

Patent Application No.	Patent application No.2000-003621
Drafting Date	September 10, 2001
Examiner of JPO	Kazuki Yasuike 9150 3V00
Representative/Applicant	Mr. Michiteru Soga (and six others)
Applied Provision	Patent Law Section 29(2)

This application should be refused for the reasons mentioned below. If the applicant has any argument against the reasons, such argument should be submitted within 60 days from the date on which this notification was dispatched.

Reasons

The invention(s) in the claim(s) listed below of the subject application should not be granted a patent under the provisions of Patent Law section 29(2) since it could have easily been made by persons who have common knowledge in the technical field to which the invention(s) pertains, on the basis of the invention(s) described in the publication(s) listed below which was distributed in Japan or foreign countries prior to the filing of the subject application.

Note (The list of cited references, etc. is shown below)

- Claims 1 and 7
- Cited references 1 to 3 and others

• Remarks

Cited reference 1 discloses one winding assembly composed of a pair of first winding group and second winding group, the first winding group being constructed by arranging the same number of first windings as a predetermined number of slots so as to be offset by a pitch of one slot from each other, wherein each of the first windings has one turn and is wound so as to alternately occupy an inner layer and an outer layer in a slot depth direction within slots, and the second winding group being constructed by arranging the same number of second windings as the predetermined number of slots so as to be offset by a pitch of one slot from each other, wherein each of the second windings has one turn, is wound so as to alternately occupy an inner layer and an outer layer in a slot depth direction within slots and is offset by an electrical angle of 180 degrees so as to be inversely wound relative to the first winding.

Cited reference 2 discloses a stator winding composed of a plurality of windings in each of which a continuous wire is bent back outside the slots and wound so as to alternately occupy an inner layer and an outer layer in a slot depth direction within slots.

Cited reference 3 discloses an alternator in which a number of said slots is two and over per phase per pole.

List of Cited References

1. Japanese Patent Application Laid-open [hereinafter "JP...."] JP H11-155270
2. DE 199 22 794 A1
3. JP H4-26345

For the claims other than the claim specified in this notification of reason(s) for refusal, no reason for refusal is found at present. If any

reason(s) for refusal is found later, it will be notified.

If the applicant has urgent inquiries regarding the contents of these reasons for rejection, the applicant is requested to contact the following:

Contact : Electric Motor Control, Second Examination Division,  
Japanese Patent Office

Contact person: Kazuki Yasuike

TEL. 03(3597)0308 FAX. 03(3501)0671

#### Record of the result of Prior art search

Technical field(s) to be searched	IPC seventh edition
	H02K 19/00, 3/00
Prior art reference(s)	JP H11-191946

This record of Results of Prior Art Search does not constitute a reason for rejection.

整理番号 521855JP01

11/17  
発送番号 275684

M 16951  
発送日 平成13年 9月18日 1 / 2



## 拒絶理由通知書

特許出願の番号

特願2000-003621

起案日

平成13年 9月10日

特許庁審査官

安池 一貴

9150 3V00

特許出願人代理人

曾我 道照

(外 6名)様

適用条文

第29条第2項

この出願は、次の理由によって拒絶をすべきものである。これについて意見があれば、この通知書の発送の日から60日以内に意見書を提出して下さい。

### 理 由

この出願の下記の請求項に係る発明は、その出願前日本国内又は外国において頒布された下記の刊行物に記載された発明に基いて、その出願前にその発明の属する技術の分野における通常の知識を有する者が容易に発明をすることができたものであるから、特許法第29条第2項の規定により特許を受けることができない。

記 (引用文献等については引用文献等一覧参照)

- ・ 請求項 1, 7
- ・ 引用文献等 1-3
- ・ 備考

引用文献1には、スロットの内層と外層とを交互にとるように巻装された1ターンの第1巻線が、1スロットピッチで所定スロット数と同じ本数分配列されてなる第1巻線群と、スロットの内層と外層とを交互にとるように、かつ第2巻線と180°ずらして反転巻装された1ターンの第2巻線が、1スロットピッチで所定スロット数と同じ本数分配列されてなる第2巻線群との対で構成された1組の巻線アセンブリが記載されている。

続葉有

## 続 葉

引用文献2には、連続線からなる素線がスロット外で折り返され、スロット深さ方向に内層と外層とを交互にとるよう巻装された複数の巻線を備えたものが記載されている。

引用文献3には、毎極毎相あたりのスロット数が2以上の車両用交流発電機が記載されている。

### ・ 引用文献等一覧

1. 特開平11-155270号公報
2. 独国特許出願公開第19922794号明細書
3. 特開平04-26345号公報

この拒絶理由通知書中で指摘した請求項以外の請求項に係る発明については、現時点では、拒絶の理由を発見しない。拒絶の理由が新たに発見された場合には拒絶の理由が通知される。

この拒絶理由通知の内容に関するお問い合わせ、または面接のご希望がございましたら下記までご連絡下さい。

特許審査第二部 電動機制御 安池 一貴

TEL. 03(3597)0308 FAX. 03(3501)0671

### ----- 先行技術文献調査結果の記録

- ・ 調査した分野      I P C 第 7 版  
                         H 0 2 K 1 9 / 0 0 , 3 / 0 0

### ・ 先行技術文献調査

特開平11-191946号公報

この先行技術文献調査の記録は、拒絶理由を構成するものではない。